

Work Order ID 135246

Thursday, August 06, 2015 3:09:26 PM

135246

Page 1

Item ID: 647.7810

Revision ID:

Item Name: Bracket A

Start Date: 8/06/15 Start Qty: 8.00

Required Date: 8/14/15 Req'd Qty: 8.00

Reference:

Approvals: Process Plan: H

Date: 158-6

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

NR1

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
647.7800	n/c

100

100

Bandsaw

Jeaspa Bandsaw

BAND SAW

Memo

Cut Blank at 10.313"

0.00

0.07

B.A 15/08/10

8⁺

0

DAS
08
9-85

110

110

HAAS 1

HAAS CNC vertical machine #1

HAAS CNC VERTICAL MACHINING #1

Memo

1-Machine per folio FB408

DWG REV: N/C

FOLIO REV: Ba

2- deburr and break all sharp edges

0.01

0.04

B.A 15/08/10

8

1

DAS
08
9-85

DQA:

Date: 15/08/24



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: ~~15/08/24~~

Date: 15/08/24

Work Order update only ☐

Work Order: <u>135246</u> Part No. <u>647.7810</u> NCR No. <u>15-5266</u>	DISPOSITION Rework ☒ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube ☐</td> <td>Cross tube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☒</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☒	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																
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Date: <u>15/08/11</u>	Step #: <u>110</u>	QTY Effective: <u>1</u>	MRR (QSI042) Approval DAS 9-89 <u>15-08-21</u>																																																																	
Description Work Order Deviation		Disposition		Completed By DAS 08-89 <u>15-08-21</u>																																																																
φ.201 holes (x3) are φ.210 on 1st part Folio was calling for φ.209 reamer + pilot and program as well R.C. folio		Program and folio has been updated to match dimension on drawing Scrap & destroy Replace B# = 131259		Lead hand / Supervisor Approval Verification DAS 14-89 <u>15-08-21</u>																																																																
QC / QA Coordinator Approval DAS 9-89 <u>15-08-21</u>																																																																				
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Work Order ID 135246

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Item ID: 647.7810 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Bracket A
Start Date: 8/06/15 Start Qty: 8.00 ***8*** Cust Item ID:
Required Date: 8/14/15 Req'd Qty: 8.00 ***8*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC2- Inspect parts off machine FAI/FAIB	0.00							DAS 08 9-89
120						8	1		
QC	Memo	0.01							
Quality Control									
130	QC8- Inspect parts - second check	0.00							DAS 20 9-89
130						8	0		15-08-11
QC	Memo	0.03							
Quality Control									
131		0.00							
131									
HandFinish	Memo	0.13							
Hand Finishing	CLEAN AND REMOVE ALL PART MARKING								

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
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Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Work Order ID 135246

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Thursday, August 06, 2015 3:09:26 PM

Item ID: 647.7810 Accept *N900040100* Setup Start *NS1*
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Item Name: Bracket A
Start Date: 8/06/15 Start Qty: 8.00 *8* Cust Item ID:
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Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140	Outsource process-Anodize per QSI017 4.1.10.1	0.00							
140									
Outsource4	Memo	24.00							
Outsource process - Anodize	Issue P/O to ATG : 29446								
	1- Black Anodize as per Dwg 647.7800								
	2- PRIME AS PER DWG, SEE NOTE #2								
	Certification of Comformity is required								
150	Receive & Inspect for Damage & Mat'l Certs	0.00							
150									
Packaging	Memo	0.00							
Packaging									
155	QC5- Inspect part completeness to step on W/O	0.00							
155									
QC	Memo	0.03							
Quality Control									

CY AUG 12 2015 8

82 8015-08-20

(8) DAS 38 9-89 AUG 20 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Description Work Order Deviation				Disposition				Completed By	
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Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
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Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
180	Identify as per dwg & Stock Location: MF	0.00							
180									
Packaging	Memo	0.00							
Packaging	***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***								
190	QC21- Final Inspection - Work Order Release	0.00							
190									
QC	Memo	0.01							
Quality Control									

8x **SP15-08-20**

MLJ **AUG 20 2015**

MLJ **AUG 20 2015**

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : _____					

Picklist Print

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Thursday, August 06, 2015 3:09:30 PM

Work Order ID: 135246

135246

Parent Item: 647.7810

647 7810

Parent Item Name: Bracket A

Start Date: 8/06/15

Required Date: 8/14/15

Start Qty: 8.00

Required Qty: 8.00

Comments: IPP Rev: A RQ 15.08.06 Verified by DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M7075T6B6.000X0.250		Purchased		No		100	f	27.7580	0.859	7.233684			

M7075T6B6 000X0 250

7075-T6 BAR 6.000" X 0.250"

8.0 15/08/10

Location

Loc Qty

Loc Code

MAT005

27.758

→ M129584

3.758

→ M131259

12

→ ~~M122458~~

12

3.758 ft
5.363 ft
~~4.500 ft~~

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

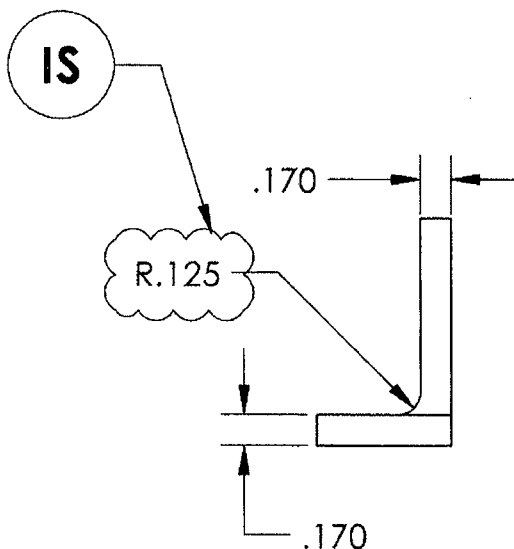
QA Closed: _____ Date: _____

Work Order update only ☐

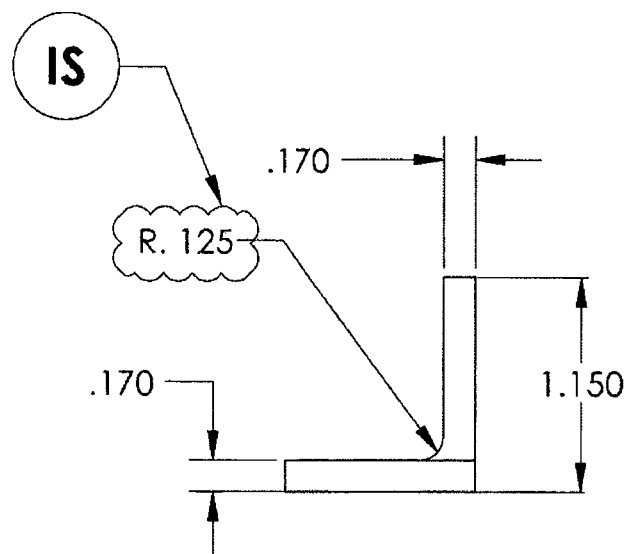
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Misidentified ☐	Past Due ☐																																																																

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 04487			SHEET 1 OF 1	
	DWG NO. 647.7800	REV: NC	PREPARED BY J. SOTO	DATE: 04/07/2014	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: BRACKET				
	APPROVED BY: ENGR. <i>[Signature]</i>	MFG. <i>[Signature]</i>	QC <i>[Signature]</i>	EFF. NEXT ORDER	
TRANSACTION CODES (TC): A-ADD R-REVISE C-CREATE D-DELETE	REASON: REVISED DRAWING DIMENSIONS.				ECR: D-14-03

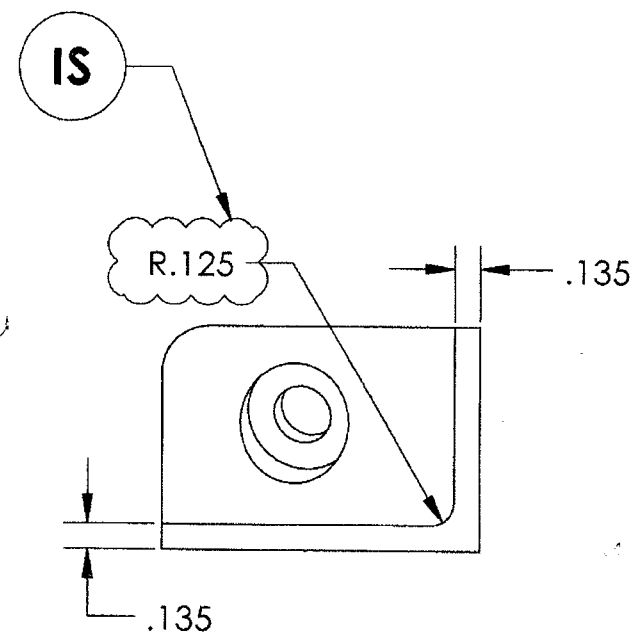
SHEET 4, ZONE B5 IS:



SHEET 5, ZONE C4 IS:



SHEET 9, ZONE D1 IS:



15-8-6
135246

DOCUMENTS EFFECTED:	☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☐ BOM	CHANGE CATEGORY	DER REVIEW REQUIRED
		☐ MAJOR ☒ MINOR	☐ YES ☒ NO

1 2 3 4 5 6 7 8
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APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT
THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: P02		N/C
N/C	INITIAL RELEASE	12-21-07	P. BRAYO

NOTES:

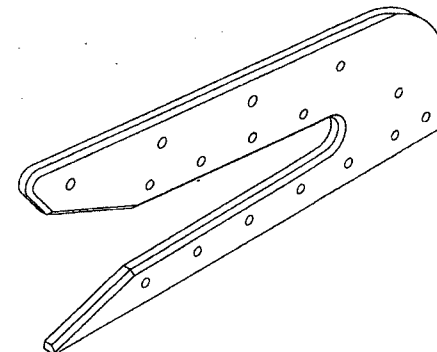
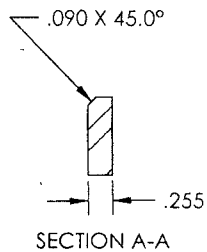
- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12
- 2 FINISH: ANODIZE PER MIL STD-A-8625, TYPE III, CLASS 2, COLOR BLACK
CARDINAL 4860-50 PRETREATMENT PRIMER
PRIME IAW MIL-P-23377J TYPE I CLASS N
3. DEBURR AND BREAK ALL SHARP EDGES
4. IDENTIFY IAW MPP-120

UNINCORPORATED ECN(s)

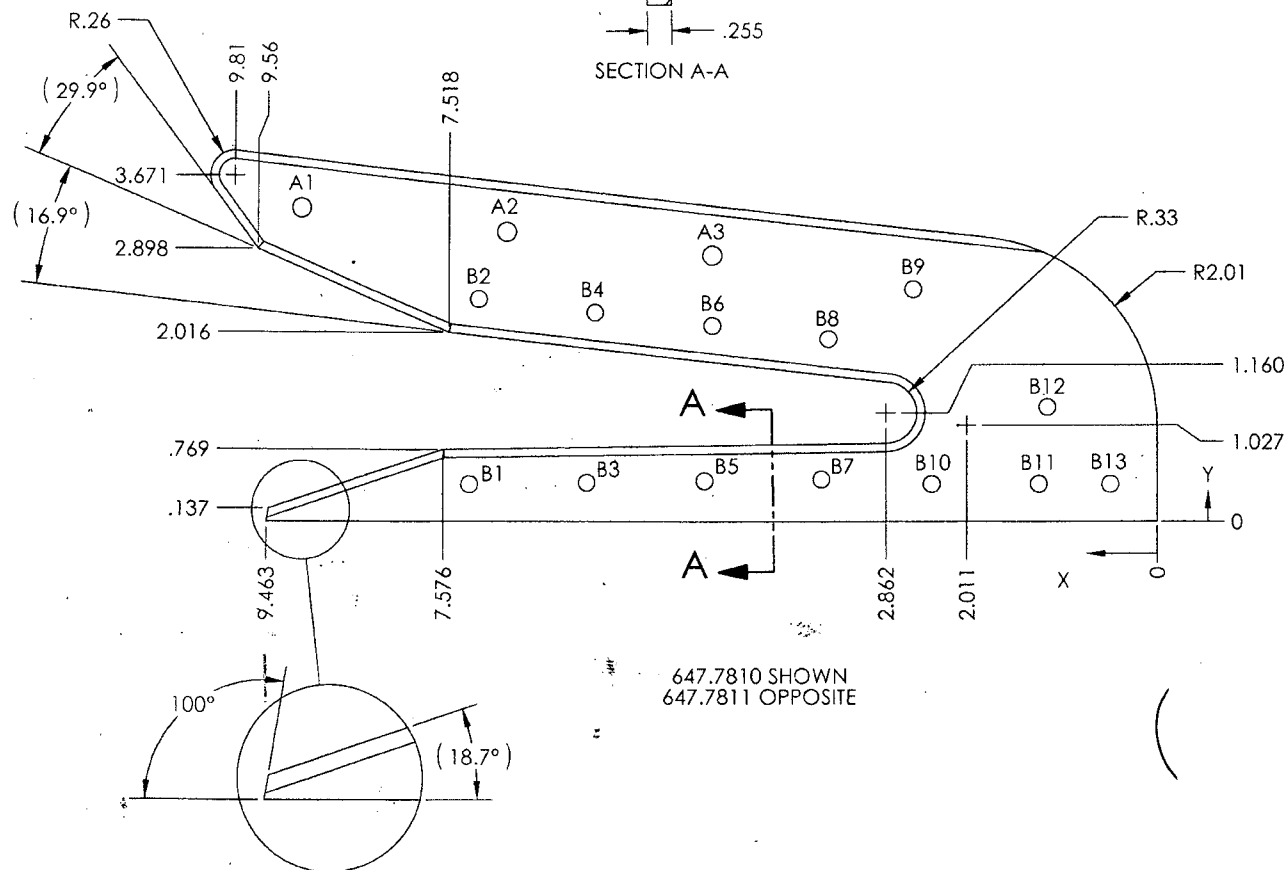
03128, 04487

	647.7822	EYE BOLT FITTING RH	△	△
	647.7821	EYE BOLT FITTING LH	△	△
	647.7820	CROSS BRACKET AFT	△	△
	647.7819	CROSS BRACKET FWD	△	△
	647.7818	MOUNTING CHANNEL	△	△
	647.7817	AFT BRACKET	△	△
	647.7816	AFT BRACKET	△	△
	647.7815	FORWARD BRACKET	△	△
	647.7814	FORWARD BRACKET	△	△
	647.7813	CENTER PLATE LOWER	△	△
	647.7812	CENTER PLATE UPPER	△	△
	647.7811	BRACKET B	△	△
	647.7810	BRACKET A	△	△
	F/N	PART #	DESCRIPTION	MATL SPEC
QTY			PARTS LIST	
NEXT ASSY IS:		ORIGINAL DATE (MM-DD-YY)	11-05-07	
647.7300		DRAWN BY	CHECKER	
647.7400		E. ANDERSSON	P. BRAYO	
		DRAWING APPROVAL		
		12-1-07		
		CONF. CT. NO.		
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
		SCALE NONE	BRACKET	
		USE CAGE CODE B 07MJA	DWG NO. 647.7800	REV. N/C
		SHEET 1 OF 9		

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647.7810
647.7811 OPPOSITE



647.7810 SHOWN
647.7811 OPPOSITE

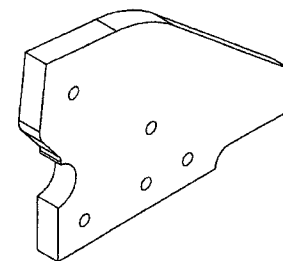
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A3	4.720	2.835±.002	Ø.201 THRU
B1	7.300±.002	.397±.002	Ø.177 THRU
B2	7.203±.002	2.369±.002	Ø.177 THRU
B3	6.050±.002	.415±.002	Ø.177 THRU
B4	5.961±.002	2.228±.002	Ø.177 THRU
B5	4.800±.002	.433±.002	Ø.177 THRU
B6	4.719±.002	2.088±.002	Ø.177 THRU
B7	3.550	.450	Ø.177 THRU
B8	3.476	1.947	Ø.177 THRU
B9	2.575	2.475	Ø.177 THRU
B10	2.380	.400	Ø.177 THRU
B11	1.250	.400	Ø.177 THRU
B12	1.160	1.220	Ø.177 THRU
B13	.500	.400	Ø.177 THRU

ORIGINAL DATE 11-05-20		APICAL INDUSTRIES	
DRAWN BY E. ANDERSON		2608 TEMPLE HEIGHTS DR.	
CHECKED BY P. BRAVO		OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		BRACKET	
CONTRACT NO.		647.7800	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± 5°		REV. N/C	SHEET 2 OF 9

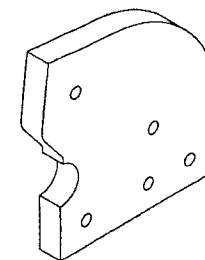
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

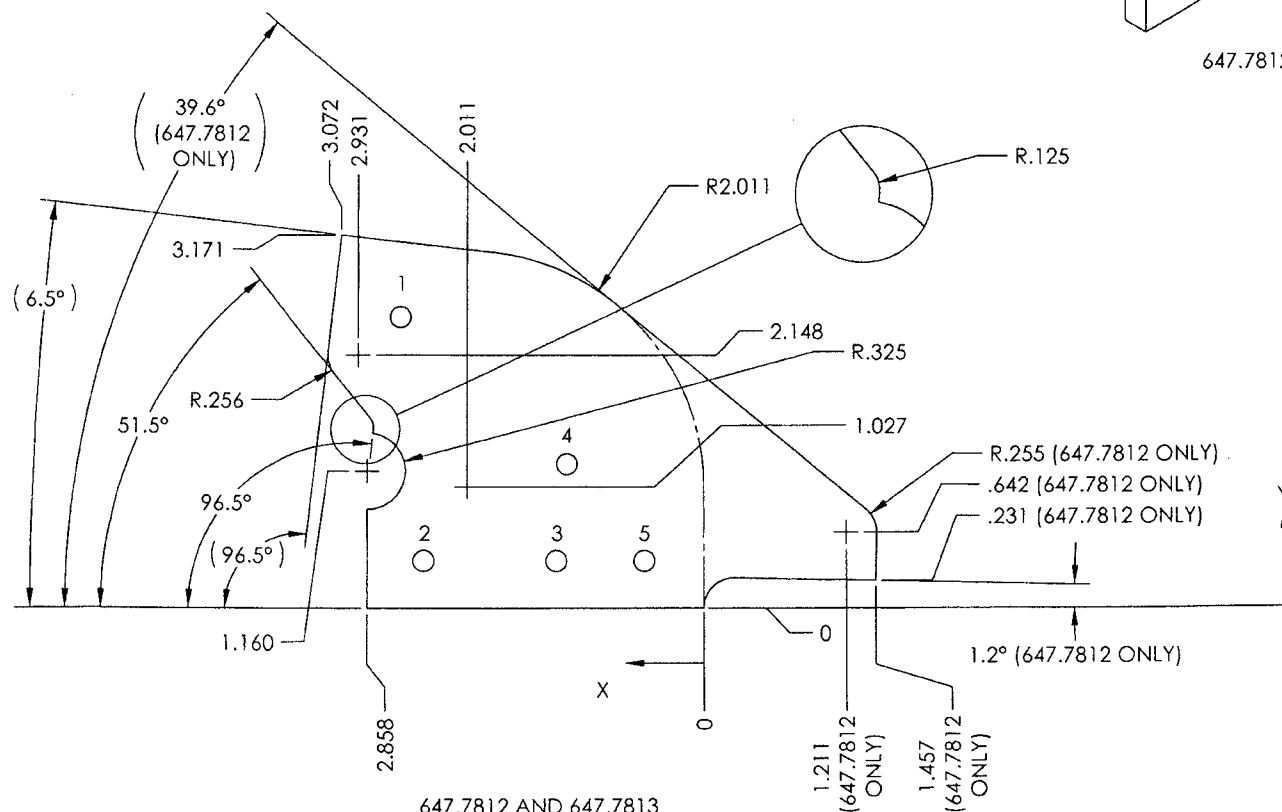
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2	2.380±.002	.400±.002	Ø.177 THRU
3	1.250±.002	.400±.002	Ø.177 THRU
4	1.160±.002	1.220±.002	Ø.177 THRU
5	.500±.002	.400±.002	Ø.177 THRU



647.7812



647.7813



647.7812 AND 647.7813

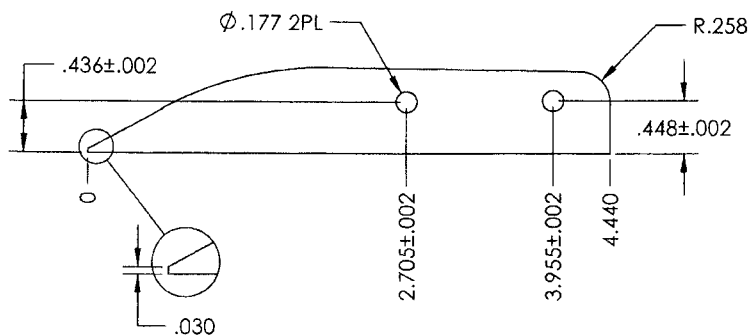
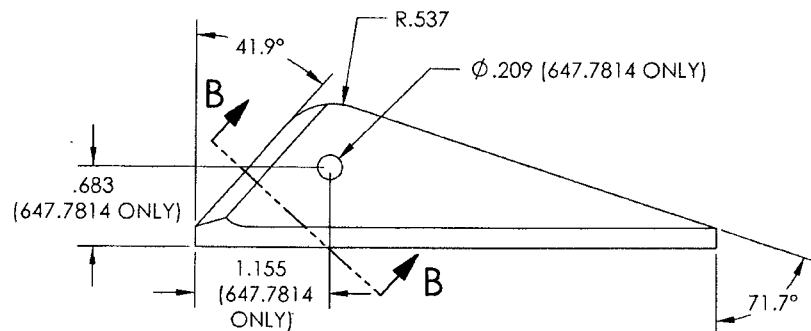
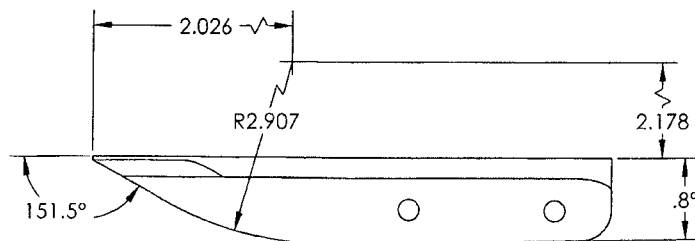


.375±.002

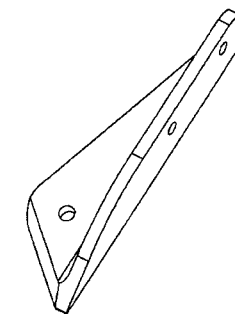
ORIGINAL DATE 11-05-09		APICAL INDUSTRIES	
DRAWN BY E. ANDERSON		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKED BY P. BRAYO		BRACKET	
DRAWING APPROVAL P. BRAYO		DWG. NO. 647.7800	
CONTRACT NO.		SCALE NONE	SHEET 3 OF 9
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		DATE 07/16	REV N/C

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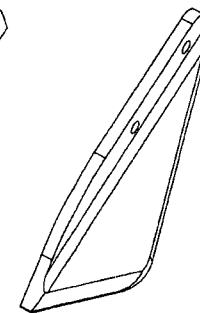
REVIEWS			
REV	DESCRIPTION	DATE	APPROVED



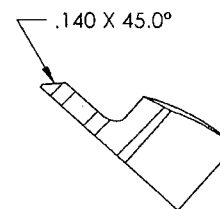
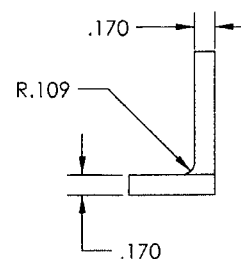
647.7814 SHOWN
647.7815 OPPOSITE



647.7814



647.7815



SECTION B-B

ORIGINAL DATE 11-05-01		APICAL INDUSTRIES	
DRAWN BY E. AMORSSON		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKED BY P. BRAY		BRACKET	
DRAWING APPROVAL P. BRAY		647.7800	
CONTRACT NO.		SCALE: NONE	SHEET 4 OF 9
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ±.01 ANGLES ±.5°		REV N/C	

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

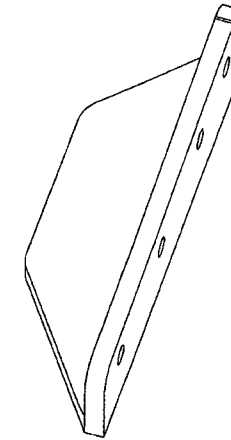
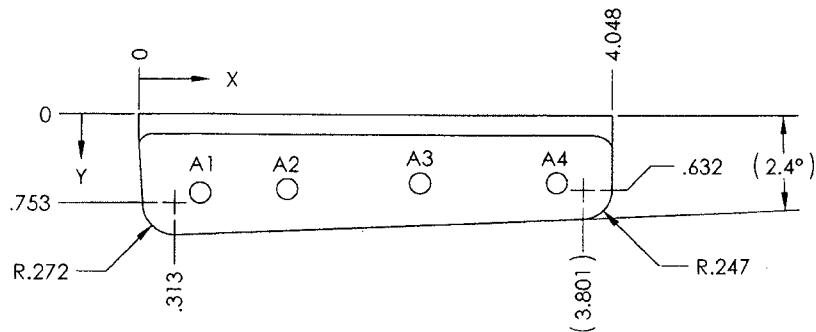
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A4	3.576±.002	.573±.002	Ø.177 THRU

A

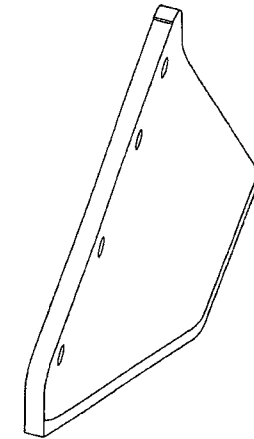
B

C

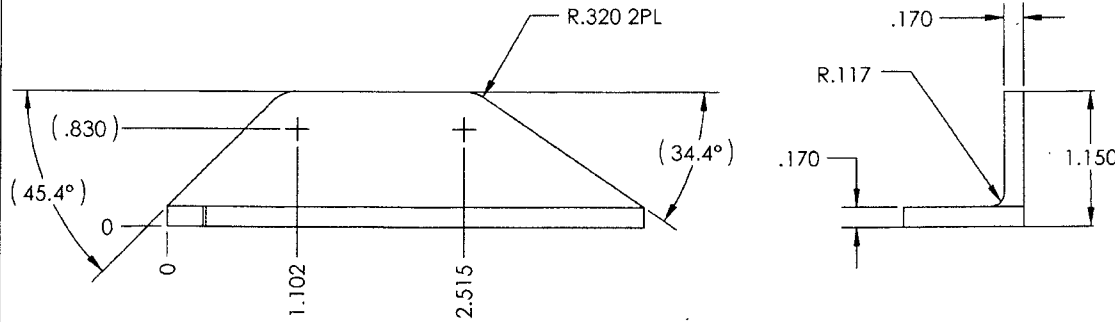
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647.7816



647.7817

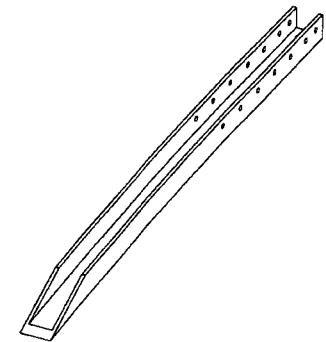
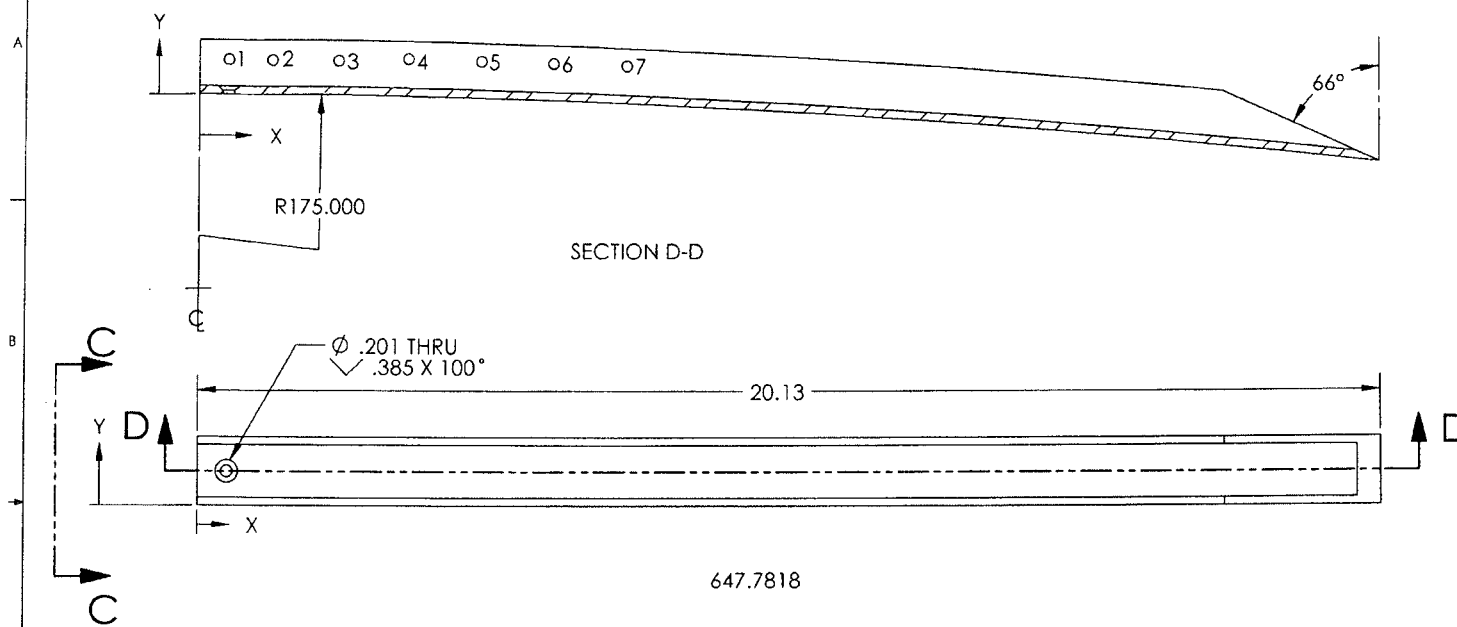


647.7816 SHOWN
647.7817 OPPOSITE

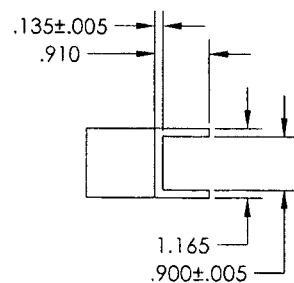
ORIGINAL DATE 11-05-08		APICAL INDUSTRIES	
DRAWN BY E. ANDERSON		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKED BY P. BRAYO		BRACKET	
CONTRACT NO.		SCALE NONE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. N/C
CAGE CODE 07M16		DWG. NO. 647.7800	
SHEET 5 OF 9		SHEET 5 OF 9	

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



647.7818



TAG	X LOC	Y LOC	SIZE
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2	1.256±.002	.57±.002	Ø .177 THRU
3	2.386±.002	.549±.002	Ø .177 THRU
4	3.557±.002	.581±.002	Ø .177 THRU
5	4.806±.002	.544±.002	Ø .177 THRU
6	6.055±.002	.507±.002	Ø .177 THRU
7	7.305±.002	.470±.002	Ø .177 THRU

ORIGINAL DATE 11-05-09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY E. ANDERSSON (P. BRAVO)	CHECKED P. BRAVO		
DRAWING APPROVAL P. BRAVO			
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES 9° 3'		BRACKET	
		REV.	N/C
		DATE	BY
SCALE NONE		SHEET 6 OF 9	

BRACKET

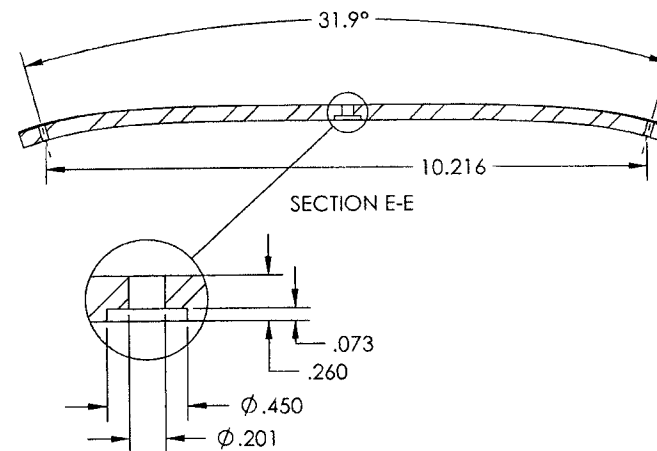
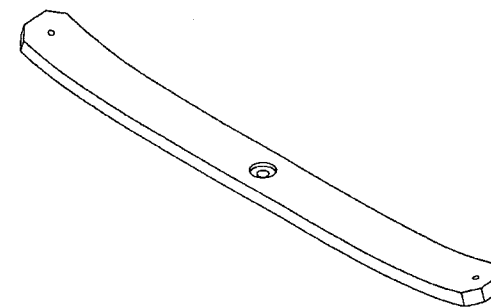
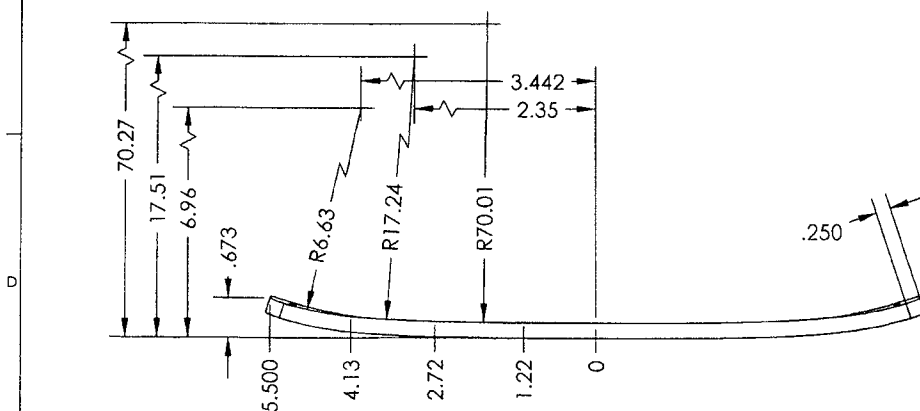
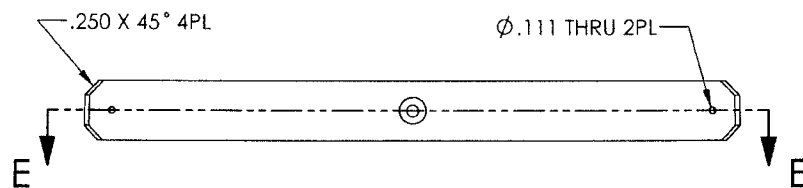
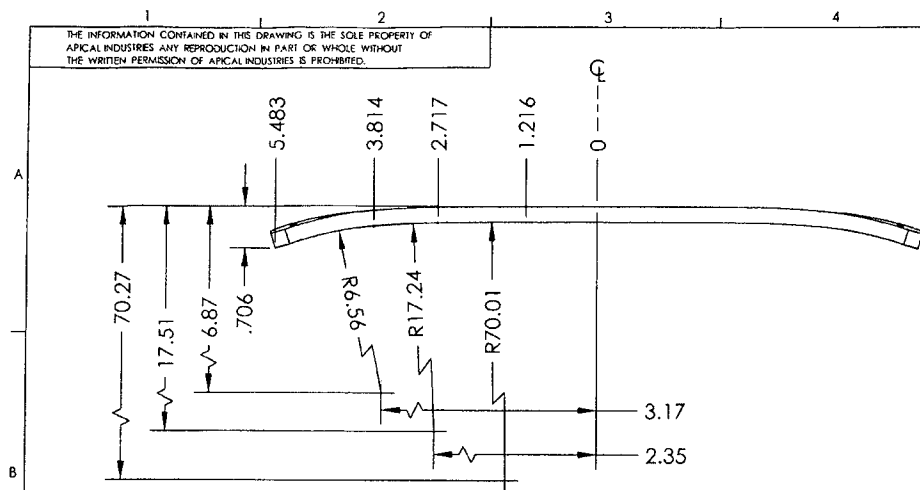
647.7800

SCALE NONE

SHEET 6 OF 9

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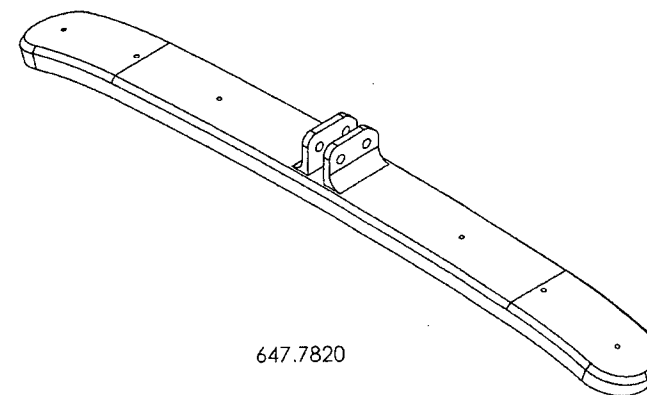
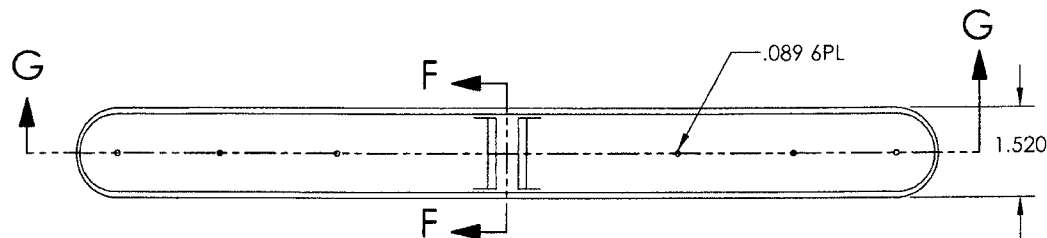
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



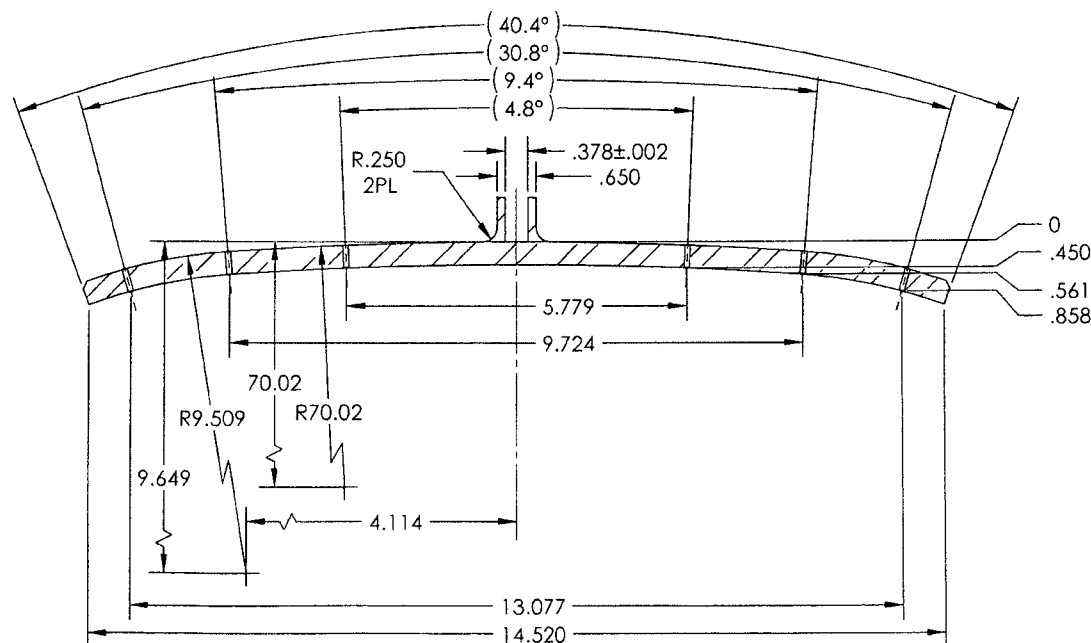
ORIGINAL DATE 11-05-02		APICAL INDUSTRIES	
DRAWN BY E. ANDERSON / P. BRAYO		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAYO		BRACKET	
CONTRACT NO.		DWG. NO. 647.7800	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.2°		REV. N/C	SHEET 7 OF 9

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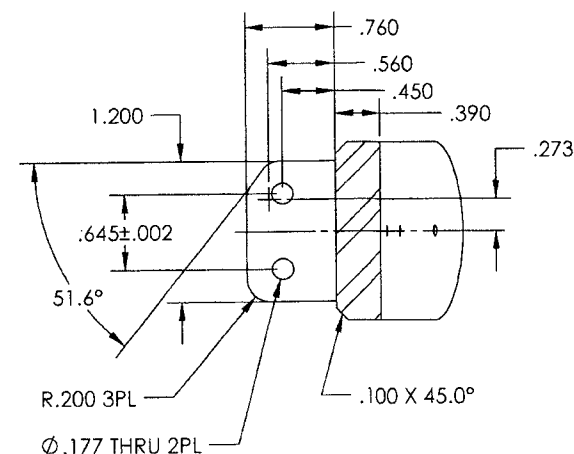
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



647.7820



SECTION G-G

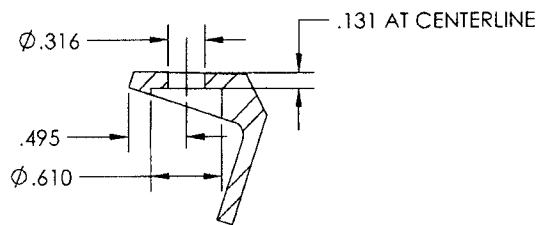
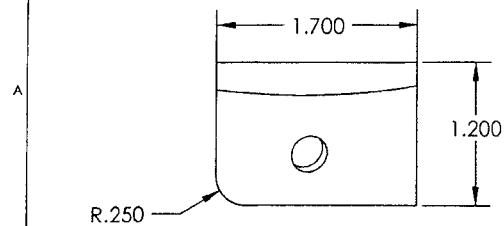


SECTION F-F

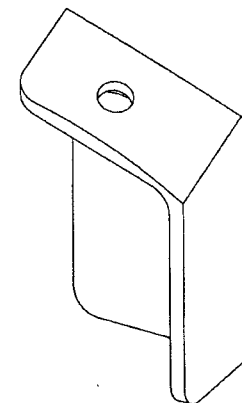
ORIGINAL DATE 11-05-09		APICAL INDUSTRIES	
DRAWN BY E. ANDERSON		2608 TEMPLE HEIGHTS DR.	
CHECKED BY P. BRAVO		OCEANSIDE, CA. 92056-3512 (760)724-5300	
CONTRACT NO.		BRACKET	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES 2°		SHEET B	REV N/C
CAGE CODE 07M26		DWG. NO. 647.7800	SCALE NONE
SHEET B		SHEET 8 OF 9	

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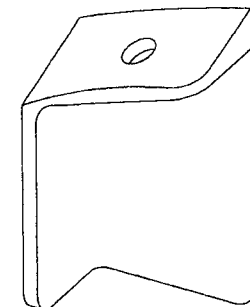
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



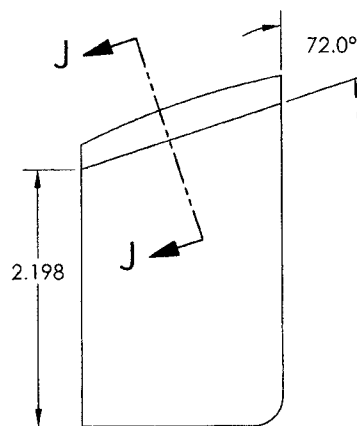
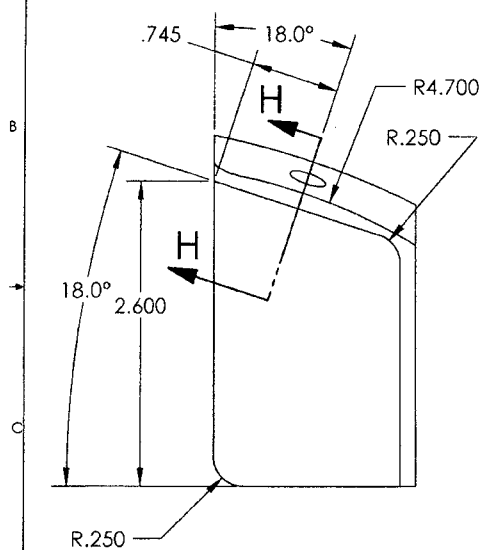
SECTION H-H



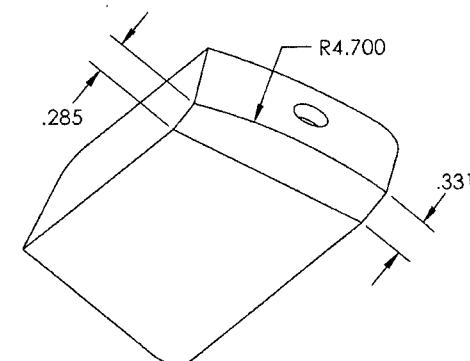
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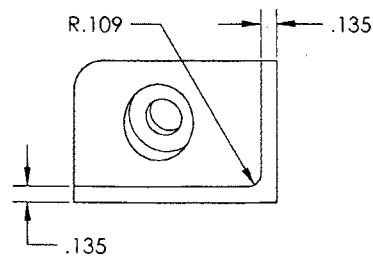
647.7822



SECTION J-J



SECTION K-K



647.7821 SHOWN
647.7822 OPPOSITE

ORIGINAL DATE (UNLESS OTHERWISE SPECIFIED) DRAWN BY: E. ANDERSON CHECKED BY: P. BRAYO DRAWING APPROVAL P. BRAYO CONTRACT NO.		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
LATEST DIMENSIONS SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SEE CAGE CODE B 07M26	DWG. NO. 647.7800
SCALE: NONE		REV. N/C	SHEET 9 OF 9

DART AEROSPACE LTD	Work Order: 135246
Description: BRACKET	Part Number: 647.7810
Inspection Dwg: 647.7800 Rev: N/C	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
0.090x45°	+/- .005 / +/- .5°	0.090x45°	✓		Vern	6A-13
0.255	+/- .005	0.252	✓		Mic	6A-03
9.81	+/- .010	9.813	✓		H-6	31006
R.26	+/- .010	R0.260	✓		R-6	ref
29.9°	+/- .5°	29.9°	✓		Angle M.	CNC-17
3.671	+/- .005	3.674	✓		H-6	31006
16.9°	+/- .5°	16.9°	✓		Angle M.	CNC-17
9.463	+/- .005	9.462	✓		H-6	31006
100°	+/- .5°	100°	✓		Angle M.	CNC-17
18.7°	+/- .5°	18.8°	✓		"	"
9.092	+/- .002	9.0925	✓		H-6	31006
3.332	+/- .002	3.332	✓		"	"
7.300	+/- .002	7.299	✓		"	"
0.397	+/- .002	0.3962	✓		"	"
2.575	+/- .002	2.5752	✓		"	"
2.475	+/- .002	2.4752	✓		"	"
0.500	+/- .002	0.5005	✓		"	"
0.400	+/- .002	0.400	✓		"	"

DAS

Measured by: B.A.	DAS 08 9-89	Audited by:	DAS 20 9-89	Preliminary Approval:
Date: 15/08/10		Date: 15-08-11		Date:

Rev	Date	Change	Revised by	Approved
E	10.04.14	Added preliminary approval	KJ	

10.04.15



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO29446**

Purchase Order Date 8/12/2015

PO Print Date 8/14/2015

Page Number 1 of 3

Order From :

VC-ATG001

A.T.G. INDUSTRIES INC.
731 INDUSTRIELLE ROAD
ROCKLAND, ON K4K 1T2
CANADA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
AUG 14 2015

Contact Name

Vendor Phone 613-446-4544

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
Line Comments			Promise Date				
Delivery Comments							

1	135232	647.7611 LOWER DEFLECTOR REV. N/C	8/18/2015		4.00	\$18.00	\$72.00
			Yes				
			8/18/2015				

FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2 / PRIME AS PER IAW MIL-P-23377J TYPE 1 CLASS N

Line Total: \$72.00

2	135246	647.7810 BRACKET REV. N/C	8/18/2015		8.00	\$18.00	\$144.00
			Yes				
			8/18/2015				

FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2 / PRIME AS PER IAW MIL-P-23377J TYPE 1 CLASS N

Line Total: \$144.00

3	135247	647.7811 BRACKET REV. N/C	8/18/2015		8.00	\$18.00	\$144.00
			Yes				
			8/18/2015				

FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2 / PRIME AS PER IAW MIL-P-23377J TYPE 1 CLASS N

Note:

8/14/2015



A.T.G. Industries Inc.
731, rue Industrielle Rd.
PLATING DEPARTMENT
Rockland, On K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 63874

Date: 19-Aug-15

To

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7
Canada

Ship To

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7
Canada

Ph: 613-632-5200

Fax: 613-632-1185

Ph: 613-632-5200

Fax: 613-632-1185

Terms	Ship Via
Quantity	Description
4 ea	Part: 647.7811 LOWER DEFLECTOR MIL-A-8625 TY III CL 2 Rev: N/C PRIMER AS PER MIL-PRF-23377J TY I CL N Job: 20150624 PO: PO29446 Line:
8 ea	Part: 647.7810 BRACKET MIL-A-8625 TY III CL 2 Rev: N/C PRIMER AS PER MIL-PRF-23377J TY I CL N Job: 20150625 PO: PO29446 Line:
8 ea	Part: 647.7811 BRACKET MIL-A-8625 TY III CL 2 Rev: N/C PRIMER AS PER MIL-PRF-23377J TY I CL N Job: 20150626 PO: PO29446 Line:
1 lot	Part: D5155-11 CO-PILOT BLACK ANODIZE MIL-A-8625 TYPE II CLASS 2 Rev: B Job: 20150627 PO: PO29446 Line:
Certificate of Conformance A.T.G. Industries certifies that all items in this shipment are in conformance with all requirements, specifications and drawings referenced in the purchase order. ISO 9001 : 2008 REGISTERED ATG SALES-2010 TERMS APPLY	

SP15-08-20



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<table border="1"><thead><tr><th>Quantity</th><th>Description</th></tr></thead><tbody><tr><td></td><td>DATE: <u>12/18/15</u></td></tr><tr><td></td><td>CERTIFIED SIGNATURE: <u>[Signature]</u></td></tr><tr><td></td><td>RECEIVER SIGNATURE: <u>Chantal L...</u></td></tr></tbody></table>		Quantity	Description		DATE: <u>12/18/15</u>		CERTIFIED SIGNATURE: <u>[Signature]</u>		RECEIVER SIGNATURE: <u>Chantal L...</u>
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	RECEIVER SIGNATURE: <u>Chantal L...</u>								

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